

FOR THE RECORD

<110> IMAGENE CO., LTD.

<120> Immunological enhancement agent comprising N-terminal peptide of p43 as an effective component

<130> NPF1918

<160> 11

<170> KopatentIn 1.71

 $\langle 210 \rangle$ 1

<211> 147

<212> PRT

<213> mammalian

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Met Ala Asn Asn Asp Ala Val Leu Lys Arg Leu Glu Gln Lys Gly Ala
1 5 10 15

Glu Ala Asp Gln Ile Ile Glu Tyr Leu Lys Gln Gln Val Ser Leu Leu
20 25 30

Lys Glu Lys Ala Ile Leu Gln Ala Thr Leu Arg Glu Glu Lys Lys Leu
35 40 45

Arg Val Glu Asn Ala Lys Leu Lys Lys Glu Ile Glu Glu Leu Lys Gln
50 55 60

Glu Leu Ile Gln Ala Glu Ile Gln Asn Gly Val Lys Gln Ile Ala Phe
65 70 75 80

Pro Ser Gly Thr Pro Leu His Ala Asn Ser Met Val Ser Glu Asn Val
85 90 95

Ile Gln Ser Thr Ala Val Thr Thr Val Ser Ser Gly Thr Lys Glu Gln
100 105 110

Ile Lys Gly Gly Thr Gly Asp Glu Lys Lys Ala Lys Glu Lys Ile Glu
115 120 125

Lys Lys Gly Glu Lys Lys Glu Lys Lys Gln Gln Ser Ile Ala Gly Ser
130 135 140

Ala Asp Ser
145

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<212> PRT

<213> mammalian

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Met Ala Asn Asn Asp Ala Val Leu Lys Arg Leu Glu Gln Lys Gly Ala 15
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Glu Ala Asp Gln Ile Ile Glu Tyr Leu Lys Gln Gln Val Ser Leu Leu 30
20 25

Lys Glu Lys Ala Ile Leu Gln Ala Thr Leu Arg Glu Glu Lys Lys Leu 45
35 40

Arg Val Glu Asn Ala Lys Leu Lys Lys Glu Ile Glu Glu Leu Lys Gln 60
50 55

Glu Leu Ile Gln Ala Glu Ile Gln Asn Gly Val Lys Gln Ile Ala Phe 80
65 70 75

Pro Ser Gly Thr Pro Leu His Ala Asn Ser Met Val Ser Glu Asn Val 95
85 90

Ile Gln Ser Thr Ala Val Thr Thr Val Ser Ser Gly 105
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<212> PRT
<213> mammalian

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Met Val Ser Glu Asn Val Ile Gln Ser Thr Ala Val Thr Thr Val Ser 15
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Ser Gly Thr Lys Glu Gln Ile Lys Gly Gly Thr Gly Asp Glu Lys Lys 30
20 25

Ala Lys Glu Lys Ile Glu Lys Lys Gly Glu Lys Lys Glu Lys Lys Gln 45
35 40

Gln Ser Ile Ala Gly Ser Ala Asp Ser Lys Pro Ile Asp Val Ser Arg 60
50 55

Leu Asp Leu Arg Ile Gly Cys Ile Ile Thr Ala Arg Lys His Pro Asp 80
65 70 75

Ala Asp Ser Leu Tyr Val Glu Glu Val Asp Val Gly Glu Ile Ala Pro 95
85 90

Arg Thr Val Val Ser Gly Leu Val Asn His Val Pro Leu Glu Gln Met 110
100 105

Gln Asn Arg Met Val Ile Leu Leu Cys Asn Leu Lys Pro Ala Lys Met 125
115 120

Arg Gly Val Leu Ser Gln Ala Met Val Met Cys Ala Ser Ser Pro Glu 140
130 135

Lys Ile Glu Ile Leu Ala Pro Pro Asn Gly Ser Val Pro Gly Asp Arg 160
145 150 155

Ile Thr Phe Asp Ala Phe
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<210> 4
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<212> DNA
<213> Artificial Sequence

<220>
<223> PCR primer

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ccggaattca tggcaataa tgatgct

27

<210> 5
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<212> DNA
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<220>
<223> PCR primer

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24

<210> 6
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<212> DNA
<213> Artificial Sequence

<220>
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30

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27

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27